

INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04M 3/533, H04L 12/58, H04Q 7/38
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0135622 A1 (SONY INTERNATIONAL (EUROPE)GMBH), 17 May 2001 (17.05.2001), page 13, line 1 - page 14, line 33, figure 1, abstract --	1-15
X	EP 1113631 A2 (AT & T CORP.), 4 July 2001 (04.07.2001), column 1, part 3 - column 4, part 25, figures 1-44 --	1-15
X	US 2001053687 A1 (T.SIVULA), 20 December 2001 (20.12.2001), page 1, part 1 - page 3, part 25, figures 1-4, abstract --	1-15

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 16 February 2004	Date of mailing of the international search report 20 -02- 2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Behroz Moradi/itw Telephone No. +46 8 782 25 00

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Inte l application No.

PCT/FI 2003/000939

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN JP 2002335299(MEIDENSHA CORP) 22 November 2002 (22-11-2002) Abstract --	1-15
Y	EP 1255416 A1 (SIEMENS AKTIENGESELLSCHAFT), 6 November 2002 (06.11.2002), figure 1, claims 1-38, abstract --	1-15
Y	WO 0030374 A2 (NOKIA CORPORATION), 25 May 2000 (25.05.2000), page 2, line 21 - page 5, line 15; page 16, line 23 - page 17, line 9; page 18, line 1 - line 11, p.21 li.6-21,fig.1-11,abstract --	1-15
Y	WO 0133781 A1 (NOKIA MOBILE PHONES LTD), 10 May 2001 (10.05.2001), page 15, line 17 - page 16, line 10, figures 1-4, abstract -- -----	1-15

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24/12/2003

International application No.

PCT/FI 2003/000939

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